

AMENDMENTS

In the Claims

Claims 31 and 48 are amended.

Claims 2-27, 29-48, and 50-58 are pending and listed as follows:

1. **(CANCELED).**

2. **(PREVIOUSLY PRESENTED)** The cellular phone of claim 5 further comprising a context service module that is configured to receive information from multiple different context providers.

3. **(PREVIOUSLY PRESENTED)** The cellular phone of claim 5, wherein the information pertains to a user of the cellular phone.

4. **(PREVIOUSLY PRESENTED)** The cellular phone of claim 5 further comprising one or more hierarchical traversable tree structures on the phone, the tree structures comprising individual nodes each of which being associated with a phone context, the processors being configured to automatically determine a context by traversing at least one node on one of the trees.

5. **(PREVIOUSLY PRESENTED)** A cellular phone comprising:

one or more processors configured to:

1 receive information that pertains to a current context of the
2 cellular phone;

3 determine the current context based on the information;
4 modify at least one behavior of the cellular phone responsive
5 to the current context; and

6 an application program interface that is configured to wirelessly
7 receive information that is associated with the phone's context.

8
9 6. **(PREVIOUSLY PRESENTED)** A method of operating a
10 cellular phone comprising:

11 wirelessly receiving, with the cellular phone, information that
12 pertains to a context of the cellular phone, the cellular phone being
13 configured to receive said information from different types of context
14 providers that provide different forms of information;

15 responsive to said receiving and using only the cellular phone and its
16 associated on-board componentry, determining a cellular phone context and
17 modifying at least one behavior associated with the cellular phone.

18
19 7. **(ORIGINAL)** The method of claim 6, wherein the behavior
20 pertains to whether the phone is on or off.

21
22 8. **(ORIGINAL)** The method of claim 6, wherein the behavior
23 pertains to operation of a cellular phone ringer.

1 9. (ORIGINAL) The method of claim 6, wherein the behavior
2 pertains to whether the cellular phone is in a vibration mode.

3
4 10. (ORIGINAL) The method of claim 6, wherein the behavior
5 pertains to a ringer pitch.

6
7 11. (ORIGINAL) The method of claim 6, wherein the behavior
8 pertains to forwarding calls.

9
10 12. (ORIGINAL) The method of claim 6, wherein said
11 modifying comprises using one or more cellular phone settings that are
12 resident on the cellular phone to modify the cellular phone's settings.

13
14 13. (ORIGINAL) The method of claim 6, wherein said receiving
15 comprises receiving cellular phone setting information that is to be used to
16 modify the cellular phone's behavior.

17
18 14. (ORIGINAL) A cellular phone programmed to implement
19 the method of claim 6.

20
21 15. (PREVIOUSLY PRESENTED) One or more readable
22 media having readable instructions thereon which, when executed by a
23 cellular phone, cause the cellular phone to:

1 wirelessly receive information from different context source
2 information types that provide different forms of information that pertains
3 to a context of the cellular phone; and

4 responsive to receiving the information, determine the cellular phone
5 context and modify at least one behavior associated with the cellular phone.
6

7 16. **(ORIGINAL)** A cellular phone embodying the computer-
8 readable media of claim 15.
9

10 17. **(PREVIOUSLY PRESENTED)** A cellular phone
11 comprising:

12 multiple different types of location providers which collectively are
13 configured to receive different forms of location information that can be
14 used by the cellular phone to ascertain its location; and

15 one or more processors configured to:

16 receive information associated with a current location of the
17 cellular phone; and

18 modify at least one behavior of the cellular phone responsive
19 to the information.
20

21 18. **(ORIGINAL)** The cellular phone of claim 17, wherein the
22 information comprises cellular phone settings.
23
24
25

1 19. (ORIGINAL) The cellular phone of claim 17, wherein the
2 one or more processors are configured to modify the one behavior by
3 turning the phone on or off.
4

5 20. (ORIGINAL) The cellular phone of claim 17, wherein the
6 one or more processors are configured to modify the one behavior by
7 adjusting a ringer pitch on the phone.
8

9 21. (ORIGINAL) The cellular phone of claim 17, wherein the
10 one or more processors are configured to modify the one behavior by
11 turning a cellular phone ringer on or off.
12

13 22. (ORIGINAL) The cellular phone of claim 17, wherein the
14 one or more processors are configured to modify the one behavior by
15 placing the phone in a vibration mode.
16

17 23. (ORIGINAL) The cellular phone of claim 17, wherein the
18 one or more processors are configured to modify the one behavior by
19 forwarding one or more calls to a user-provided telephone number.
20

21 24. (PREVIOUSLY PRESENTED) A cellular phone
22 comprising:

23 receiving means configured to wirelessly receive multiple different
24 forms of information that pertains to a current location of a cellular phone
25

1 and use said multiple different forms of information to ascertain the current
2 location; and

3 means to modify at least one behavior associated with the cellular
4 phone responsive to said information.

5
6 25. **(ORIGINAL)** The cellular phone of claim 24, wherein said
7 information pertains to cellular phone settings that are associated with the
8 current location.

9
10 26. **(ORIGINAL)** The cellular phone of claim 24, wherein said
11 information pertains to a defined location type of which the location is an
12 instance.

13
14 27. **(ORIGINAL)** The cellular phone of claim 24, wherein said
15 means to modify comprises means to change the cellular phone's behavior
16 when it is no longer at the current location.

17
18 28. **(CANCELED).**

19
20 29. **(PREVIOUSLY PRESENTED)** A method of managing
21 cellular phone behavior comprising:

22 defining one or more cellular phone behaviors for a given location;
23 and

24 wirelessly transmitting information to cellular phones within that
25 location that permits cellular phones to automatically modify their behavior

1 while in that location, wherein said transmitting information comprises
2 transmitting information that is associated with a location type that has
3 attributes that define a cellular phone behavior.

4
5 30. **(PREVIOUSLY PRESENTED)** The method of claim 29,
6 wherein said transmitting information comprises transmitting information
7 pertaining to cellular phone settings.

8
9 31. **(CURRENTLY AMENDED)** A method of managing
10 cellular phone behavior comprising:

11 providing one or more transmitters that are configured to transmit
12 information that permits cellular phones to automatically modify their
13 behavior, at least a portion of the information pertaining to one or more
14 assigned class types individual ones of which are associated with various
15 attributes that define the behavior of cellular phones;

16 placing the one or more transmitters in a location where a particular
17 cellular phone behavior is desired; and

18 transmitting information using said one or more transmitters.

19
20 32. **(ORIGINAL)** The method of claim 31, wherein the behavior
21 comprises whether the cellular phone is on or off.

22
23 33. **(ORIGINAL)** The method of claim 31, wherein the behavior
24 pertains to the cellular phone's ringer.

1 34. **(ORIGINAL)** The method of claim 31, wherein the behavior
2 pertains to the pitch of the cellular phone's ringer.

3
4 35. **(ORIGINAL)** The method of claim 31, wherein the behavior
5 pertains to call forwarding.

6
7 36. **(ORIGINAL)** A method of managing cellular phone
8 behavior comprising:

9 defining one or more class types each of which can be associated
10 with a location for which a particular cellular phone behavior is desired;
11 and

12 associating attributes with the one or more class types, the attributes
13 defining cellular phone behavior.

14
15 37. **(ORIGINAL)** The method of claim 36, wherein the behavior
16 pertains to whether the cellular phone is to be on or off.

17
18 38. **(ORIGINAL)** The method of claim 36, wherein the behavior
19 pertains to whether the cellular phone's ringer is to be on or off.

20
21 39. **(ORIGINAL)** The method of claim 36, wherein the behavior
22 pertains to the pitch of the cellular phone's ringer.

23
24 40. **(ORIGINAL)** The method of claim 36, wherein the behavior
25 pertains to automatically forwarding telephone calls.

1
2 41. **(ORIGINAL)** A method of managing cellular phone
3 behavior comprising:

4 defining one or more class types each of which can be associated
5 with a location for which a particular cellular phone behavior is desired;

6 associating attributes with the one or more class types, the attributes
7 defining cellular phone behavior; and

8 associating a class type with a location for which a particular cellular
9 phone behavior is desired.
10

11 42. **(ORIGINAL)** A method of managing cellular phone
12 behavior comprising:

13 associating a class type with a location for which a particular cellular
14 phone behavior is desired, the class type having attributes that define the
15 cellular phone's behavior; and

16 wirelessly transmitting information pertaining to the class type for
17 reception by cellular phones in the location, the information being
18 configured to be used by cellular phones to automatically adjust one or
19 more behaviors.
20

21 43. **(ORIGINAL)** The method of claim 42, wherein said
22 associating comprises providing a transmitter at the location that is
23 configured to transmit the information.
24
25

1 44. **(ORIGINAL)** The method of claim 42, wherein the behavior
2 is defined by cellular phone settings.

3
4 45. **(ORIGINAL)** The method of claim 42, wherein the behavior
5 pertains to whether the cellular phone is on or off.

6
7 46. **(ORIGINAL)** The method of claim 42, wherein the behavior
8 pertains to whether the cellular phone's ringer is on or off.

9
10 47. **(ORIGINAL)** The method of claim 42, wherein the behavior
11 pertains to call forwarding.

12
13 48. **(CURRENTLY AMENDED)** A location-aware cell phone
14 comprising: that can, using only information that it receives and its

15 on-board componentry configured to:

16 determine its location using only information that it receives;

17 and

18 automatically adjust one or more of its settings so that it
19 behaves in a manner that has been defined for that location by
20 someone other than a user of the cell phone.

21
22 49. **(CANCELED).**

23
24 50. **(PREVIOUSLY PRESENTED)** A method of operating a
25 cellular phone comprising:

1 providing a cellular phone; and
2 determining, with the cellular phone, a present cellular phone
3 location wherein said determining comprises:
4 receiving location information;
5 accessing one or more hierarchical tree structures having
6 nodes that correspond to locations; and
7 using the location information to traverse at least portions of
8 the one or more tree structures to ascertain the present location.

9
10 51. **(PREVIOUSLY PRESENTED)** A cellular phone
11 comprising:

12 one or more computer-readable media;
13 one or more hierarchical traversable tree structures resident on the
14 computer-readable media, the tree structures comprising individual nodes
15 each of which being associated with a phone context; and

16 one or more processors configured to:
17 receive information that pertains to a current context of the
18 cellular phone;

19 automatically determine the current context based on the
20 information by traversing at least one node on one of the trees; and

21 modify at least one behavior of the cellular phone responsive
22 to the current context.

1 52. **(PREVIOUSLY PRESENTED)** The cellular phone of claim
2 51 further comprising a context service module that is configured to receive
3 information from multiple different context providers.
4

5 53. **(PREVIOUSLY PRESENTED)** The cellular phone of claim
6 51, wherein the information pertains to a user of the cellular phone.
7

8 54. **(PREVIOUSLY PRESENTED)** A cellular phone
9 comprising:
10

11 a context service module that is configured to receive different forms
12 of information from multiple different types of context providers; and
13

14 one or more processors associated with the context service module
15 and configured to:
16

17 receive information that pertains to a current context of the
18 cellular phone;
19

20 determine the current context based on the information; and
21

22 modify at least one behavior of the cellular phone responsive
23 to the current context.
24

25 55. **(PREVIOUSLY PRESENTED)** The cellular phone of claim
54, wherein the information pertains to a user of the cellular phone.
26

27 56. **(PREVIOUSLY PRESENTED)** The cellular phone of claim
28 54 further comprising one or more hierarchical traversable tree structures
29 on the phone, the tree structures comprising individual nodes each of which
30

1 being associated with a phone context, the processors being configured to
2 automatically determine a context by traversing at least one node on one of
3 the trees.

4
5 57. **(PREVIOUSLY PRESENTED)** The cellular phone of claim
6 54 further comprising an application program interface that is configured to
7 wirelessly receive information that is associated with the phone's context.

8
9 58. **(PREVIOUSLY PRESENTED)** A cellular phone
10 comprising:

11 location provider means for receiving different forms of location
12 information;

13 means for ascertaining a location from the location information; and

14 means for modifying at least one behavior associated with the
15 cellular phone responsive to ascertaining said location.